



**IN THE  
UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**IN RE APPLICATION OF:** Wang

**CASE:** 58970.010500

INFORMATION DISCLOSURE  
STATEMENT UNDER 37  
CFR. §1.97(b)

**SERIAL NO.:** 10/658,513

**FILED ON:** 09/09/2003

**FOR:** TWO-FLUTE DRILL BIT

ATTENTION OF:  
Art Unit 3722

COMMISSIONER OF PATENTS  
WASHINGTON, D.C. 20231

Dear Sir:

If any charges or fees must be paid in connection with the following communication, they may be paid out of our Deposit Account No. 04-1030.

In accordance with 37 CFR. §§ 1.56, 1.97 and 1.98, Applicant submits the following information of which Applicant is aware to the United States Patent and Trademark Office for consideration in the above-captioned patent application:

**GREENBERG TRAURIG**

CHICAGO IP OFFICE  
77 WEST WACKER DRIVE  
SUITE 2400  
CHICAGO, IL 60601  
(312) 456-8400

Richard D. Harris  
Howard E. Silverman  
Douglas B. Teaney  
Herbert H. Finn  
Mark R. Galis

27898  
32492  
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36805

Gary R. Jarosik  
Richard E. Dick  
Brad R. Bertoglio  
Jeffrey P. Dunning  
Jeffrey G. Mote

35906  
27778  
47422  
50686  
48791

US Patent No.	Issue Date	Inventor
465,392	12/15/1891	Shippee
1,069,930	08/12/1913	Down
1,216,628	02/20/1917	Teasck
1,384,733	07/12/1921	Woods
2,230,645	02/04/1941	Jones
3,452,625	07/01/1969	Russo
2,778,252	01/22/1957	Oxford, Jr.
3,564,947	02/23/1971	Maier
3,592,555	07/13/1971	Mackey, Sr.
3,779,664	12/18/1973	Caley et al.
3,854,840	08/26/1974	Miyanaga
4,116,580	08/26/1978	Hall et al.
4,209,275	06/24/1980	Kim
4,231,692	11/04/1980	Brabetz et al.
4,330,229	05/18/1982	Croydon
4,400,119	08/23/1983	Clement
4,411,563	10/25/1983	Moon
4,561,813	12/31/1985	Schneider
4,573,838	03/04/1986	Omi et al.

4,671,710	06/09/1987	Araki
4,687,388	08/18/1987	Yokota et al.
4,688,972	08/25/1987	Kubota
4,740,121	04/26/1988	Arnold
4,878,788	11/07/1989	Wakihira et al.
4,992,009	02/12/1991	Wallach
5,011,342	04/30/1991	Hsu
5,056,967	10/15/1991	Hageman
5,088,863	02/18/1992	Imanaga et al.
5,145,296	09/08/1992	Hougen
5,236,291	08/17/1993	Agapiou
5,273,380	12/28/1993	Musacchia
5,380,133	01/10/1995	Schimmer
5,779,399	07/14/1998	Kuberski
5,865,574	02/02/1999	Tukala
5,876,202	03/02/1999	Berlin
5,893,688	04/13/1999	Wiker et al.
5,944,460	08/31/1999	Gill
5,947,659	09/07/1999	Mays
5,980,166	11/09/1999	Ogura
6,012,882	01/11/2000	Turchan

6,036,410	03/14/2000	Shun'ko
6,056,486	05/02/2000	Colvin
6,113,321	09/05/2000	Mulroy et al.
6,126,367	10/03/2000	Reed
6,231,281	05/15/2001	Nishikawa
6,435,780	08/20/2002	Flynn
6,443,674	09/03/2002	Jaconi
6,450,272	09/17/2002	Hauptmann et al.
6,511,265	01/28/2003	Mirchandani et al.
6,602,029	08/05/2003	George
6,585,460	07/01/2003	Meece et al.
4,556,347	12/03/1985	Barish
4,642,942	02/17/1987	Guhring
4,565,473	01/21/1986	Hosoi
4,968,193	11/06/1990	Chaconas et al.
5,288,183	02/22/1994	Chaconas et al.
D445,436	07/24/2001	George
6,190,097	02/20/2001	Thomas

In addition, Applicant informs the Patent Office of the following, non-patent document references:

A. Metal Cutting Tool Handbook, published by Industrial Press, Inc. at least as early as 1989, pp. 2, 62 – 64, 84 – 85, 168 – 169, 494 – 499.

B. Jiangsu Tiangong Tools Corporation Limited catalog, China, at least as early as 09/08/02.

C. Shenli Tools Co. Ltd. catalog, China, at least as early as 09/08/02.

D. A photo of a drill bit, illustrating a common single-flute construction (apart from the wire hole), on sale at least as early as 09/08/02.

E. A photo of a glass drill bit, illustrating a construction on sale at least as early as 09/08/02.

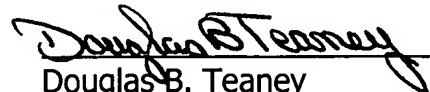
In accordance with the Rules, copies of the non-patent references are enclosed for review by the Examiner.

Applicant requests entry of this Information Disclosure Statement, and consideration of the information contained therein, and that an initialed copy of the form PTO-1449 being filed contemporaneously herewith be returned to Applicant's undersigned attorney as confirmation of such consideration.

Should anything further be required, a telephone call to the undersigned at (312) 456-5019 is respectfully requested.

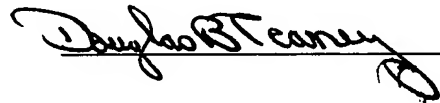
Respectfully submitted,

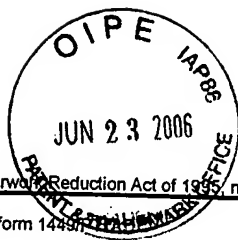
Dated: June 20, 2006

  
Douglas B. Teaney

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 20, 2006.

  
Douglas B. Teaney



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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet  of

### Complete if Known

Application Number	10/658,513
Filing Date	09/09/2003
First Named Inventor	Wang
Art Unit	3722
Examiner Name	
Attorney Docket Number	58970.010500

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-			
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		US- 465,392	12-15-1891	Shippe	
		US-			
		US- 1,069,930	08-12-1913	Down	
		US- 1,216,628	02-20-1917	Teasck	
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		US-			
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		US- 4,209,275	06-24-1980	Kim	
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		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				

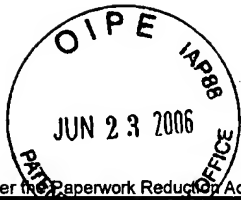
Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by Translation is attached. <sup>6</sup> Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(Use as many sheets as necessary)

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Application Number	10/658,513
Filing Date	09/09/2003
First Named Inventor	Wang
Art Unit	3722
Examiner Name	
Attorney Docket Number	58970.010500

Sheet 1 of 1

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		US- 4,400,119	08-23-1983	Clement	
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		US- 4,687,388	08-18-1987	Yokota et al.	
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		US- 5,273,380	12-28-1993	Musacchia	
		US- 5,380,133	01-10-1995	Schimmer	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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Signature

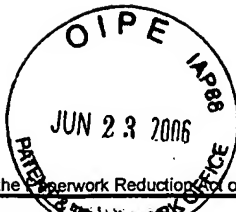
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Application Number	10/658,513
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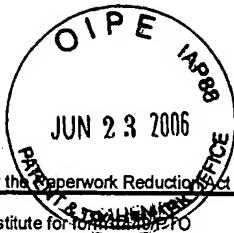
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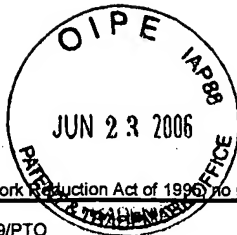
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Examiner Name	Gates, Eric Andrew
Attorney Docket Number	58970.010500

Sheet

of

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		A. Metal Cutting Tool Handbook, published by Industrial Press, Inc. at least as early as 1989, pp. 2, 62 – 64, 84 – 85, 168 – 169, 494 – 499.	
		B. Jiangsu Tiangong Tools Corporation Limited catalog, China, at least as early as 09/08/02.	
		C. Shenli Tools Co. Ltd. catalog, China, at least as early as 09/08/02.	
		D. A photo of a drill bit, illustrating a common single-flute construction (apart from the wire hole), on sale at least as early as 09/08/02.	
		E. A photo of a glass drill bit, illustrating a construction on sale at least as early as 09/08/02.	

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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